

NAME:

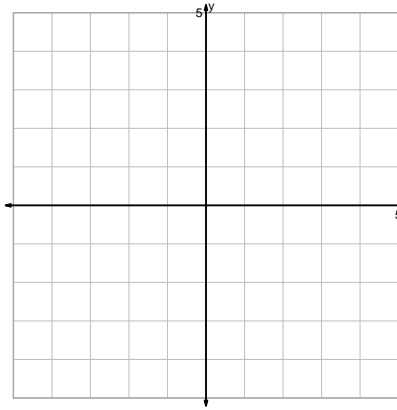
DATE:

Unit-2 Reduced Mastery Assessment (version 319)

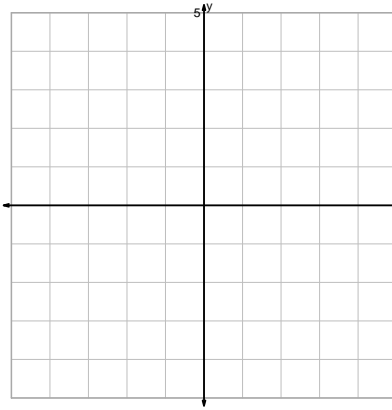
Question 1 (20 points)

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

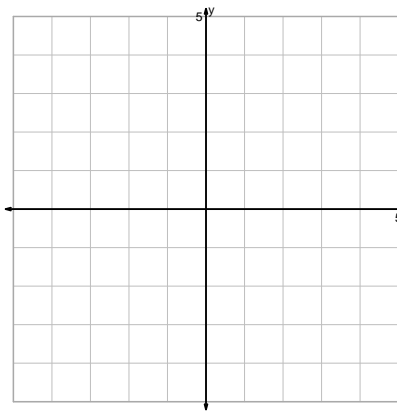
$$y = x^2 - 2$$



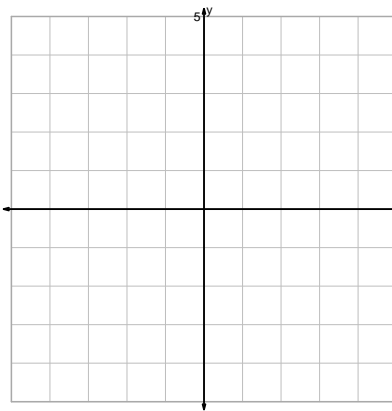
$$y = (x - 2)^2$$



$$y = 2^{x+2}$$

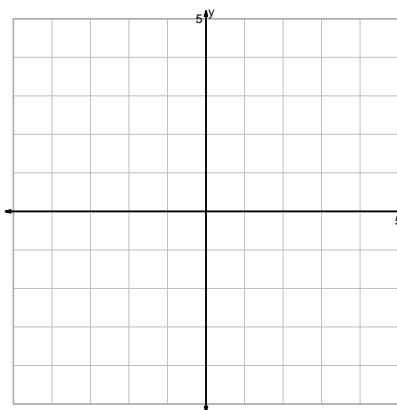


$$y = \sqrt[3]{x} + 2$$

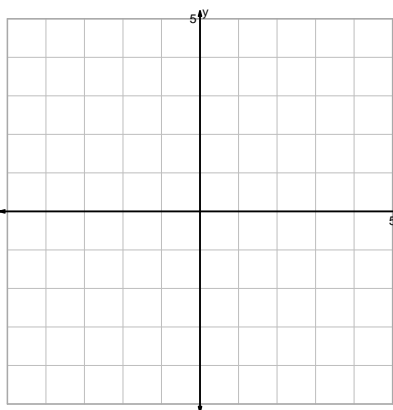


Question 2 continued...

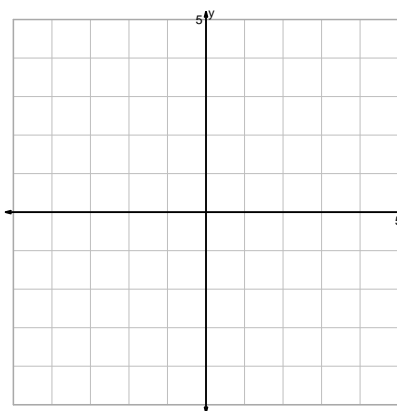
$$y = (2x)^3$$



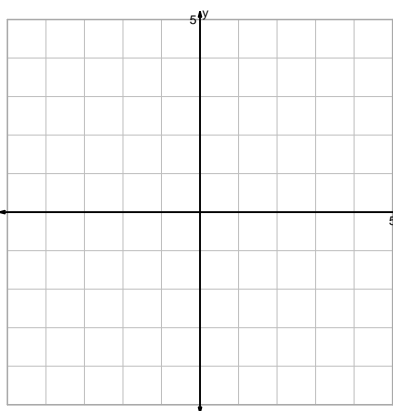
$$y = \left(\frac{x}{2}\right)^3$$



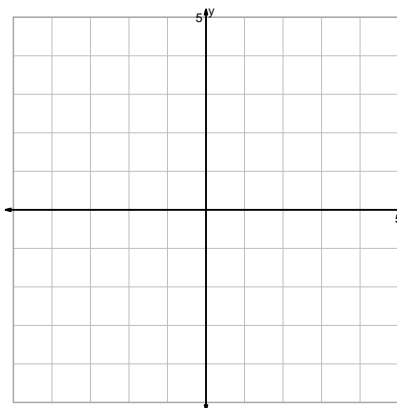
$$y = \sqrt{-x}$$



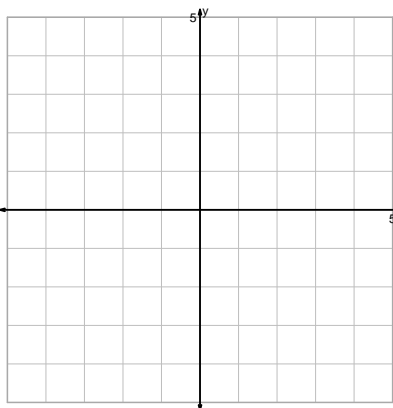
$$y = 2 \cdot \sqrt{x}$$



$$y = -2^x$$

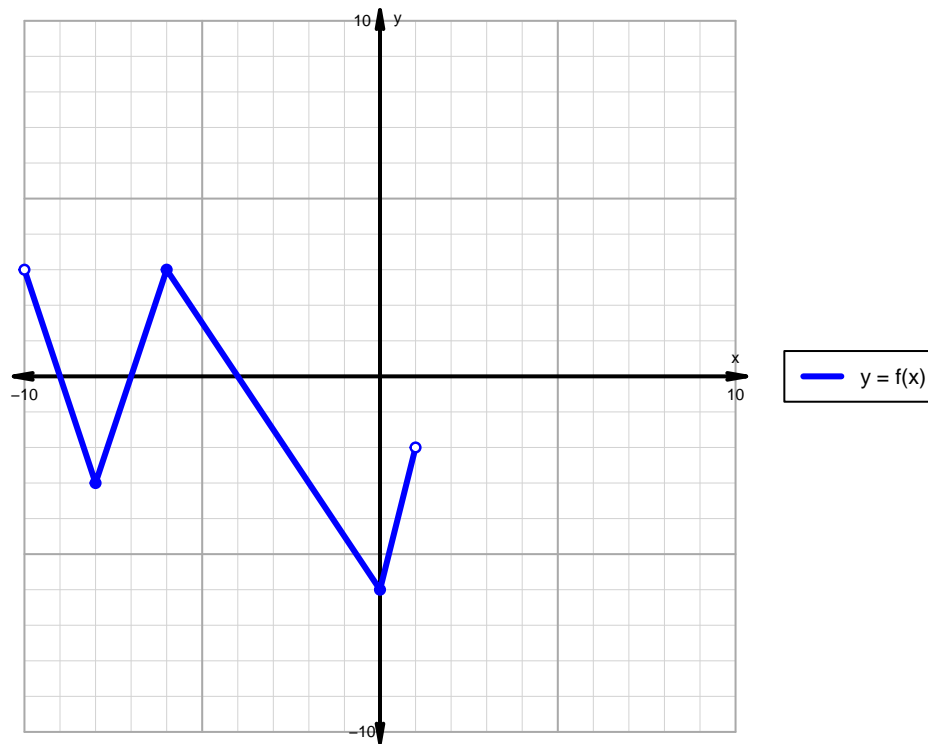


$$y = \frac{\sqrt[3]{x}}{2}$$



Question 2 (20 points)

A function is graphed below.



Indicate the following intervals using interval notation.

Feature	Where
Positive	
Negative	
Increasing	
Decreasing	
Domain	
Range	